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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	COMPINALTION	
09/857,628	06/07/2001	Shigeru Umino	00F00052US	CONFIRMATION NO.	
YOUNG & TI					
745 SOUTH 23RD STREET 2ND FLOOR ARLINGTON, VA 22202		OR	EXAMINER LAVILLA, MICHAEL E		
			ART UNIT	PAPER NUMBER	

DATE MAILED: 01/16/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No. 09/857,628

LA VILLA

Applicant(s)

Examiner

Art Unit

1775

UMINO ET AL.

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	The MAILING DATE of this communication appears	on the cover sheet with the correspondence address
	for Reply	
	ORTENED STATUTORY PERIOD FOR REPLY IS SET MAILING DATE OF THIS COMMUNICATION.	TO EXPIRE <u>three</u> MONTH(S) FROM
	ions of time may be available under the provisions of 37 CFR 1.136 (a). In a date of this communication.	no event, however, may a reply be timely filed after SIX (6) MONTHS from the
- If the property - If NO property - If	period for reply specified above is less than thirty (30) days, a reply within th	and will expire SIX (6) MONTHS from the mailing date of this communication. The application to become ABANDONED (35 U.S.C. § 133).
Status		
1) 💢	Responsive to communication(s) filed on Apr 7, 20	01
2a) 🗌	This action is FINAL . 2b) ✓ This act	ion is non-final.
3) 🗆	Since this application is in condition for allowance closed in accordance with the practice under Ex pa	except for formal matters, prosecution as to the merits is rte Quayle, 1935 C.D. 11; 453 O.G. 213.
Disposi	tion of Claims	
4) 💢	Claim(s) <u>1-6</u>	is/are pending in the application.
4	a) Of the above, claim(s)	is/are withdrawn from consideration.
5) 🗆	Claim(s)	is/are allowed.
6) 💢	Claim(s) <u>1-6</u>	is/are rejected.
7) 🗆	Claim(s)	is/are objected to.
8) 🗆	Claims	are subject to restriction and/or election requirement.
Applica	ntion Papers	
9) 🗆	The specification is objected to by the Examiner.	
10)	The drawing(s) filed on is/are	a) \square accepted or b) \square objected to by the Examiner.
	Applicant may not request that any objection to the d	lrawing(s) be held in abeyance. See 37 CFR 1.85(a).
11)	The proposed drawing correction filed on	is: a) \square approved b) \square disapproved by the Examiner.
	If approved, corrected drawings are required in reply	to this Office action.
12)	The oath or declaration is objected to by the Exami	iner.
Priority	under 35 U.S.C. §§ 119 and 120	
13)💢	Acknowledgement is made of a claim for foreign p	riority under 35 U.S.C. § 119(a)-(d) or (f).
a) [(All b) □ Some* c) □ None of:	
	1. \square Certified copies of the priority documents hav	re been received.
	2. \square Certified copies of the priority documents hav	e been received in Application No
	application from the International Bure	
*S	ee the attached detailed Office action for a list of th	e certified copies not received.
14)∐	Acknowledgement is made of a claim for domestic	priority under 35 U.S.C. § 119(e).
	The translation of the foreign language provisiona	
15)∟	Acknowledgement is made of a claim for domestic	priority under 35 U.S.C. §§ 120 and/or 121.
Attachm		A) Intentions Commons (DTO 412) Parameters
	otice of References Cited (PTO-892) otice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary (PTO-413) Paper No(s).
_	otice of Draftsperson's Patent Drawing Heview (P10-948) formation Disclosure Statement(s) (PT0-1449) Paper No(s).	5) Notice of Informal Patent Application (PTO-152) 6) Other:
۰, ال	Amineton proposale otatomonital in 10-1449/ Fapai No(s).	of [] outside.

Application/Control Number: 09/857,628

Art Unit: 1775

DETAILED ACTION

Claim Rejections - 35 USC § 102

- 1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:
- 2. A person shall be entitled to a patent unless -
- 3. (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 5. Claims 1-4 and 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Ikeno et al. USP 4,298,661. Ikeno teaches a zinc plated steel sheet coated with a conductive metal salt intermediate layer and further coated with a resin layer (see Abstract; col. 4, line 40 through col. 5, line 2; col. 6, lines 32-64; col. 8, lines 10-30; col. 10, lines 7-66; col. 16, line 7 through col. 17, line 12; Examples; and Tables 9-1 and 9-2 in Ikeno). Ikeno teaches forming X-out portions to do salt spray tests, which thereby provide for defining regions on the surface of the laminate that satisfy the claimed percent coverage of Claim 6.
- 6. Claims 1-5 are rejected under 35 U.S.C. 102(e) as being anticipated by Ogata et al. USP 6,235,407. Ogata et al. teaches zinc plated steel substrate coated with a metal phosphate salt layer of the claimed thickness and further coated with resin layer having Al metal particles (see Abstract; col. 5, lines 33-67; col. 7, lines 1-23; and Tables 1(17) and 1(18) Nos. 79-84)

Application/Control Number: 09/857,628

Art Únit: 1775

Claim Rejections - 35 USC § 103

- 7. The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
 - 1. Determining the scope and contents of the prior art.
 - 2. Ascertaining the differences between the prior art and the claims at issue.
 - 3. Resolving the level of ordinary skill in the pertinent art.
 - Considering objective evidence present in the application indicating obviousness or nonobviousness.
- 8. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ikeno et al. USP 4,298,661 in view of Lee et al. USP 6,387,538. Ikeno teaches a zinc plated steel sheet coated with a conductive metal salt intermediate layer and further coated with a resin layer. Ikeno teaches the importance of the weldability quality of these laminates (see Abstract; col. 4, line 40 through col. 5, line 2; col. 6, lines 32-64; col. 8, lines 10-30; col. 10, lines 7-66; col. 16, line 7 through col. 17, line 12; Examples; and Tables 9-1 and 9-2 in Ikeno). Ikeno does not teach including conductive metal particles in the organic resin layer. Lee et al. teaches including metal particles in the resin of a resin coated and zinc-plated steel laminate in order to confer weldability properties to the laminate (see col. 7, line 48 through col. 8, line 33 in Lee). It would have been obvious to one of ordinary skill in the art at the time of the invention to include the particles of Lee in the resin layer of Ikeno in order to confer weldability properties to the laminate of Ikeno.

Page 4

Application/Control Number: 09/857,628

Art Únit: 1775

Conclusion

- 9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael La Villa whose telephone number is (703) 308-4428. The examiner can normally be reached on Monday through Friday.
- 10. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Deborah Jones can be reached on (703) 308-3822. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9310 for regular communications and (703) 872-9311 for After Final communications.
- 11. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

January 8, 2003

